

CLAIMS:

1. A method of secure reception of a message from a user, comprising generating (401) an image (320) representing a plurality of input means (321) each representing an input symbol that can be used in the message, encoding (402) the image by, for each pixel in the image (320),
5 choosing (423, 427) a first pattern (P0) if the pixel is of a first color and a portion of a key sequence represents a first value, or if the pixel is of a second color and the portion represents a second value, and
choosing (424, 426) a second pattern (P1) if the pixel is of the second color and the portion represents the first value, or if the pixel is of the first color and the portion
10 represents the second value,
transmitting (403) for each pixel the pertinent chosen pattern to a device operable by the user, receiving (404) a set of coordinates from the device, translating (405) the set of coordinates to a particular input means represented on the image (320), and constructing (406) the message from the user as the input symbol represented by the particular input means.
15
2. The method of claim 1, in which the first color is black, the second color is white, the first value is '0' and the second value is '1'.
3. The method of claim 1, in which the message comprises an authentication
20 code.
4. The method of claim 1, in which the placement of the input means on the image (320) is chosen in a random fashion.
- 25 5. A method of secure transmission of a message, comprising receiving a pattern from a transmitting device (300), outputting on a first display (501) a graphical representation of the pattern, outputting on a second display (311) a graphical representation of a first pattern (P0) if a portion of a key sequence represents a first value, and outputting on the second display (311) a graphical representation of a second pattern (P1) if said portion

represents a second value, receiving input representing a set of coordinates from a user, and transmitting the set of coordinates to the transmitting device (300).

6. The method of claim 5, in which the input is received as pressure on a particular spot of the first display (501), the set of coordinates corresponding to the particular spot.

7. A client device (301) allowing secure transmission of a message, comprising receiving means (502) for receiving a pattern from a transmitting device, a memory (312) for storing a key sequence, a first display (501) for outputting a graphical representation of the pattern, a second display (311) suitable to be overlaid upon the first display (501), the second display (311) being arranged for outputting a graphical representation of a first pattern (P0) if a portion of the key sequence represents a first value, and for outputting a graphical representation of a second pattern (P1) if said portion represents a second value, input means for receiving input representing a set of coordinates from a user, and transmitting means (502) for transmitting the set of coordinates to the transmitting device (300).

8. The client device (301) of claim 7, in which the second display (311) is embodied as a unit (310) physically separate from the first display (501), and provided with the memory (312) for storing the key sequence.

9. A computer program product arranged for causing a processor to execute the method of claim 1.

10. A computer program product arranged for causing a processor to execute the method of claim 5.